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四川紫菊属二新种

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SPECIES DUAE NOVAE *NOTOSERIDIS* E PROVINCIA SICHUAN

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Abstract Two new species of the genus *Notoseris* (Compositae) are described from Sichuan Province, China. They are *Notoseris nanchuanensis* Shih, *N. dolichophylla* Shih.

Key words *Notoseris*; *N. nanchuanensis*; *N. dolichophylla*

关键词 紫菊属;金佛山紫菊;长叶紫菊

金佛山紫菊 图 1:1

Notoseris nanchuanensis Shih, sp. nov.

A. *N. psilolepidi* Shih, cui affinis, sed foliis inferioribus mediisque hastato-trangulatis, hasi late cuneatis vel subtruncatis bene differt.

Herba perennis. Caulis solitarius, erectus, 40—80 cm altus, basi 4 mm diam., superne paniculato-ramosus, ramis gracilibus, glabris. Folia basalia ignota; folia inferiora mediaque hastato-triangulata, 7—9.5 cm longa, 5.5—6 cm lata, margine sparsim mucronulata, apice acuminata, basi late cuneata vel subtruncata, petiolis ad 5 cm longis, breviter angustato-alatis; folia superiora basalibus mediisque similia sed minora vel lanceolata, 2 cm lata, inclusis petiolis 10 cm longa, margine sparsim mucronulata, vel irregulariter rhombiformia, 12 cm longa, c. 4 cm lata, margine mucronulato-denticulata vel-dentata; folia per inflorescentiam minima, linearia, 1.5—2.5 cm longa, 1.5—2 mmmlata, margine obscure minute mucronulata; omnia textura tenuia, glabra. Calathidia numerosa, ad ramos et caulem inflorescentiam paniculatam formantia. Involucrum anguste campanulatum, 1 cm longum, 2 mm diam., phyllis 3-seriatis, externis ovatis, 1 mm longis, vix 1 mm latis, apice acutis, mediis lanceolatis, 2.5 mm longis, 1 mm latis, apice acutis, interinis longe ellipticis, 1 cm longis, 1.5 mm latis, apice obtusis vel rotundatis, omnibus glabris purpureis. Flosculi ligulati, 5 in numero, purpurei. Achaenia longe elliptica, purpurea, dorsi-ventraliter compressa, 5 mm longa, 0.8 mm lata, apice truncata, nonrostrata, costulata, facie costulis 7 in numero, inaequicrassis, prominentibus. Pappi setae 2-seriatae, albae,

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图1 1.金佛山紫菊 *Notoseris nanchuanensis* Shih. 2.长叶紫菊 *N. dolichophylla* Shih. （蔡淑琴绘）

7 mm longae, obscure minute scabrae.

Sichuan: Nanchuan Jinfushan, 1957. 09. 22. Li Guo-feng 64320(Typus, SZ).

多年生草本植物。茎单生，直立，高 40—80 cm，基部直径 4mm，上部圆锥状分枝，分枝纤细，光滑无毛。基生叶未见；中下部茎叶戟状三角形，长 7—9.5 cm，宽 5.5—6 cm，边缘有稀疏小尖头或无小尖头，顶端渐尖，基部宽楔形或几截形，叶柄长达 5 cm，有短而狭的翼；上部茎叶与中下部茎叶同形但较小或披针形，宽 2cm，包括叶柄长 10cm，边缘有稀疏的小尖头，或上部茎叶不规则菱形，长 12cm，宽约 4 cm，边缘有锯齿或小锯齿，齿顶有尖头；花序枝上的叶最小，线形，长 1.5—2.5 cm，宽 1.5—2 mm，边缘有不明显小尖头；全部叶质地薄，光滑，无毛。头状花序多数，沿茎枝排成圆锥花序。总苞狭钟状；长 1 cm，直径 2mm，总苞片 3 层，外层卵形，长 1mm，宽不足 1 mm，顶端急尖，中层披针形，长 2.5mm，宽 1mm，顶端急尖，内层长椭圆形，长 1 cm，宽 1.5 mm，顶端钝或圆形，全部苞片紫色，无毛。小花舌状，紫色，5 枚。瘦果长椭圆形，紫色，背腹压扁，长 5 mm，宽 0.8 mm，顶端截形，无喙，有不等形的高起小肋，每面有小肋 7 条。冠毛刚毛 2 层，白色，长 7 mm，边缘微粗糙。

本种接近光苞紫菊 *N. psilolepis* Shih，但本种的中下部茎叶为戟状三角形，基部宽楔形或几截形，二者区别明显。

长叶紫菊　图 1:2

Notoseris dolichophylla Shih, sp. nov.

A *N. porpyreolepidi* Shih caulibus superne et ramis villis multicellularibus nodulis obtectis et foliorum lobis lateralibus pluribus, 7—9-jugis, petiolis brevissimis, 1—1.5 cm longis bene differt.

Herba perennis. Caulis solitarius, erectus, 45 cm altus, basi 6 mm diam., superne paniculato-ramosus, ramis gracilibus, villis multicellularibus nodulis dense obtectis, Folia basalia inferioraque ignota; folia media anguste longissima, petiolis 1—1.5 cm longis, ambitu longe oblanceolata, pinnatisecta vel subpinnatisecta, 20—22 cm longa, 4—6 cm lata, lobis terminalibus ellipticis, apice acutis vel acuminatis, lobis lateralibus 7—9-jugis, oppositis vel oblique oppositis vel alternatis, ellipticis vel semi-ellipticis, basi confluentibus vel petiolatis, in eisdem partibus aequimagnis, lobis lateralibus mediis majoribus, 2.5—4.5 cm longis 1—2 cm latis, a medio sursum ad apicem et deorsum ad basin gradatim minoribus, lobis latelaribus basalibus minimis, auriculiformibus, omnibus textura tenuibus, glabris, utrinque viridibus, subtus pallidis, margine apiculato-pauci-denticulatis vel obscure mucronulato-denticulatis. Calathidia numerosa, ad apicem caulis et rami inflorescentiam paniculatam formantia. Involucrum anguste campanulatum, 1 cm longum, 3 mm diam., phyllis 3-seriatis, externis ovatis, 1 mm longis, vix 1 mm latis, apice acutis, mediis lanceolatis, 1.5—3 mm longis, 1 mm latis, apice, acutis, internis longe ellipticis, 1 cm longis, 2 mm latis, apice obtusis, omnibus purpeis. Flosculi ligulati, 5 in numero, purpurei. Achaenia inmatura. Pappi setae albae, 2-seriatae, 7 mm longae, obscure minute scabrae.

Sichuan: Tianquan, in sylva in declivio, alt. 1660 m 1983. 05.17. Peng Ding-yi 47871 (Typus, CDBI).

多年生草本。茎单生，直立，高 45cm，基部直径 6mm，上部圆锥状分枝，分枝纤细，被稠密的多细胞节毛。基生叶及下部茎叶未见；中部茎极狭长，有 1—1.5 cm 的短叶柄，全形长倒披针形，羽状全裂或几羽状全裂，长 20—22 cm，宽 4—6 cm，顶裂片椭圆形，顶端急尖或渐尖，侧裂片 7—9 对，对生或偏斜对生或互生，椭圆形或半椭圆形，基部与叶轴融合或有短叶柄，同对裂片等大，中部侧裂片较大，长 2.5—4.5cm，宽 1—2cm，自中部向

上与向下的侧裂片逐渐变小，最基部的侧裂片最小，耳状，全部裂片质地薄，光滑，无毛，两面绿色，下面色淡，边缘有少数小锯齿或锯齿不明显，齿顶有小尖头。头状花序多数，沿茎枝顶端排成圆锥状花序。总苞狭钟状，长 1cm，直径 3mm，总苞片 3 层，外层卵形，长 1 mm，宽不足 1mm，顶端急尖，中层披针形，长 1.5—3 mm，宽 1mm，顶端急尖，内层长椭圆形，长 1cm，宽 2mm，顶端钝，全部苞片紫色。小花舌状，5 枚，紫色。瘦果未成熟。冠毛刚毛 2 层，长 7mm，微粗糙。

本种与南川紫菊 *N. porpyreolepis* Shih 的区别在于茎上部及花序分枝被稠密的多细胞节毛，侧裂片多数，7—9 对；叶柄极短，长 1—1.5 cm，两者容易区别。